

10/523360

PATENT
DT12 PCT/PTO 01 FEB 2005
Attorney Docket No. 555255012439

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Hao Xue, et al.

Serial No.:

PCT Filing Date: 07/31/2003

For: ALWAYS-ON WIRELESS INTERNET PROTOCOL
COMMUNICATION

Art Unit:

Examiner:

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56, applicant hereby advises the United States Patent and Trademark Office of certain references which may be material to the determination of patentability of the above-identified application. The references are identified on the attached Form PTO-1449 and copies are enclosed. Applicant respectfully requests that these references be considered and made of record in the present application. Please complete and return the enclosed Form PTO-1449.

No fee is believed to be due for entry of this Information Disclosure Statement. However, if any fee should be required, please charge such fee to Jones Day's Deposit Account No. 501432, Reference No. 555255012439.

"Express Mail" Mailing Label No. EV 302225225 ^{US} Respectfully submitted,Date of Deposit Feb. 1, 2005

I hereby certify that this paper or fees is being deposited with the United States Postal Service "Express Mail" Post Office to Addressee" service under 37 C.F.R. 1.56 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

By Shelva Sefari

Joseph M. Sauer
Reg. No. 47,919
JONES DAY
901 Lakeside Avenue/North Point
Cleveland, Ohio 44114
(216) 586-3939

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known 10/523360

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of

3

Application Number

Filing Date

PCT filed 07/31/2003

First Named Inventor

Hao Xue

Art Unit

Examiner Name

Attorney Docket Number

555255012439

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| | A5 | SIMPSON, W.: "The Point-to-Point Protocol (PPP)," Network Working Group, RFC 1661, Daydreamer, STD 51, July 1994 | |
| | A6 | "TR45 cdma2000 Wireless IP Network Standard," PN-3-4732-RV2 (to be published as TIA/EIA/IS-835-B) | |
| | A7 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Upper Layer (Layer 3) Signaling Standard for cdma2000 Spread Spectrum Systems," Release C, 3GPP2 C.S0005-C, Version 1.0, May 28, 2002 | |
| | A8 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 4 (A1, A2, and A5 Interfaces)," (3G-IOS v4.3) (SDO Ballot Version), 3GPP2 A.S0014-A, Version 1.0, October 2002 | |
| | A9 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Introduction to cdma2000 Standards for Spread Spectrum Systems," Release C, 3GPP2 C.S0001-C, Version 1.0, May 28, 2002 | |
| | A10 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 6 (A8 and A9 Interfaces)," (3G-IOS v4.3) (SDO Ballot Version), 3GPP2 A.S0016-A, Version 1.0, October 2002 | |
| | A11 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Physical Layer Standard for cdma2000 Spread Spectrum Systems," Release C, 3GPP2 C.S0002-C, Version 1.0, May 28, 2002 | |
| | A12 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Medium Access Control (MAC) Standard for cdma2000 Spread Spectrum Systems," Release C, 3GPP2 C.S0003-C, Version 1.0, May 28, 2002 | |
| | A13 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Signaling Link Access Control (LAC) Standard for cdma2000 Spread Spectrum Systems," Release C, 3GPP2 C.S0004-C, Version 1.0, May 28, 2002 | |
| | A14 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Data Service Options for Spread Spectrum Systems," 3GPP2 C.S0017-O, Version 5.0, February 17, 2003 | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

10/523360

Approved for PCT/PTO through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known

10/523360

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number

Filing Date

PCT filed 07/31/2003

First Named Inventor

Hao Xue

Art Unit

Examiner Name

Sheet

3

of

3

Attorney Docket Number

555255012439

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|-----------------------|--------------------------|---|----------------|
| | A15 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Wireless IP Network Standard," 3GPP2 P.S0001-B, Version 1.0.0, October 25, 2002 | |
| | A16 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 1 Overview," (3G-IOS v4.3) (SDO Ballot Version), 3GPP2 A.S0011-A, Version 1.0, October 2002 | |
| | A17 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 2 Transport," (3G-IOS v4.3) (SDO Ballot Version), 3GPP2 A.S0012-A, Version 1.0, October 2002 | |
| | A18 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 3 Features," (3G-IOS v4.3) (SDO Ballot Version), 3GPP2 A.S0013-A, Version 1.0, October 2002 | |
| | A19 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 7 (A10 and A11 Interfaces)," (3G-IOS v4.3) (SDO Ballot Version), 3GPP2 A.S0017-A, Version 1.0, October 2002 | |
| | A20 | 3RD GENERATION PARTNERSHIP PROJECT 2: "Interoperability Specification (IOS) for cdma2000 Access Network Interfaces - Part 5 (A3 and A7 Interfaces)," (3G-IOS v4.3) (SDO Ballot Version), 3GPP2 A.S0015-A, Version 1.0, October 2002 | |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|-----------------------|--------------------|
| Examiner Signature | Date Considered |
|-----------------------|--------------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.